

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	44	(( "5764430" ) or ("4027217") or ("5745457") or ("6026066") or ("6295261") or ("5182741") or ("6452883") or ("6317399") or ("4967286") or ("5398231") or ("5498509") or ("5608717") or ("5608718") or ("5627895") or ("5675570") or ("5688173") or ("5729533") or ("5748607") or ("5751671") or ("5781221") or ("5766495") or ("5846131") or ("5875156") or ("5915858") or ("5949752") or ("5958651") or ("5967676") or ("5997976") or ("6019151") or ("6034930") or ("6102800") or ("6104677") or ("6124011") or ("6160789") or ("6202550") or ("6264295") or ("6270176") or ("6384929") or ("6386667") or ("6403191") or ("6440248") or ("6469969") or ("6074031") or ("20020191517")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02

L2	44	((5764430") or ("4027217") or ("5745457") or ("6026066") or ("6295261") or ("5182741") or ("6452883") or ("6317399") or ("4967286") or ("5398231") or ("5498509") or ("5608717") or ("5608718") or ("5627895") or ("5675570") or ("5688173") or ("5729533") or ("5748607") or ("5751671") or ("5781221") or ("5766495") or ("5846131") or ("5875156") or ("5915858") or ("5949752") or ("5958651") or ("5967676") or ("5997976") or ("6019151") or ("6034930") or ("6102800") or ("6104677") or ("6124011") or ("6160789") or ("6202550") or ("6264295") or ("6270176") or ("6384929") or ("6386667") or ("6403191") or ("6440248") or ("6469969") or ("6074031") or ("20020191517")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L3	21	L2 and (rotat\$5 revol\$6) near6 (speed velocity)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L4	389	sawtooth near6 reflect\$6	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L5	5	(sawtooth (saw adj tooth)) near6 (nonreflect\$6 antireflect\$6 non-reflect\$6 anti-reflect\$6 (anti non) adj reflect\$6)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02

L6	5083436	reference feature mark indicator	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L7	3524121	detect\$4 discriminat\$4 determin\$4	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L8	3023541	ang\$4 rotat\$4 orientat\$4	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L9	169401	L6 same L7 same L8	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L10	606600	(optical compact digital) adj2 (disc disk storage medium) cd dvd	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L11	29121	L9 and L10	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L12	16341	L7 near6 (L6 near4 L8)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L13	2871	L12 and L10	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L14	219	L12 same L10	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L15	433213	(rotat\$4 revol\$7) near6 (speed velocity tim\$3)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L16	64	L14 same L15	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L17	117	L12 same L15 and "369". clas.	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L18	2288	mold\$4 near3 (pit cone)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L19	61735	(nonreflect\$6 antireflect\$6 non-reflect\$6 anti-reflect \$6 (anti non) adj reflect \$6)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L20	1	L18 near6 L19	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L21	4	L18 same L19	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L22	110	L18 near6 reflect\$6	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L23	246	(pit cone) near6 L19	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L24	1	("6109324").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L25	24173	mirror\$3 near4 (area region)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L26	379059	(rotat\$5 revol\$6) near6 (speed velocity)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02

L27	160	L25 same L26	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L28	606600	(optical compact digital) adj2 (disc disk storage medium) cd dvd	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L29	36	L27 and L28	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L30	22	L27 same (disc disk wheel)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L31	336906	(ang\$4 rotat\$4 orientat\$4) near6 (reference feature mark indicat\$2)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L32	201	L25 same L31	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L33	20	L32 and ("347" "360" "369").clas.	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L34	34	(L32 and L28) not L33	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L35	219878	(ang\$4 rotat\$4 orient\$6) near6 (mark reference feature indicator pit)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L36	44	(( "5764430") or ("4027217") or ("5745457") or ("6026066") or ("6295261") or ("5182741") or ("6452883") or ("6317399") or ("4967286") or ("5398231") or ("5498509") or ("5608717") or ("5608718") or ("5627895") or ("5675570") or ("5688173") or ("5729533") or ("5748607") or ("5751671") or ("5781221") or ("5766495") or ("5846131") or ("5875156") or ("5915858") or ("5949752") or ("5958651") or ("5967676") or ("5997976") or ("6019151") or ("6034930") or ("6102800") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02

		("6104677") or ("6124011") or ("6160789") or ("6202550") or ("6264295") or ("6270176") or ("6384929") or ("6386667") or ("6403191") or ("6440248") or ("6469969") or ("6074031") or ("20020191517")).PN.				
L37	16	L35 AND L36	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L38	54	("4202631"   "4270863"   "4393386"   "4579455"   "4691231"   "5181081"   "5317337"   "5518325"   "5542768"   "5724197"   "5781221"   "5797688"   "5846632"   "5854175"). PN. OR ("5967676"). URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/09/05 14:02
L39	26	("3701130"   "4000510"   "4016603"   "4087842"   "4094013"   "4106058"   "4142209"   "4504873"   "4535439"   "4556966"). PN. OR ("4884259"). URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/09/05 14:02
L40	1	("6109324").PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2008/09/05 14:02
L41	1	10/661722.app.	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L42	30	aihara-kenichi\$.in.	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L43	4	L42 and label	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L44	3	(("3426337") or ("20030117932")).PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2008/09/05 14:02
L45	2627151	rotation\$3 speed velocity	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L46	155876	L45 near4 (disc disk medium)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L47	5131511	reference mark feature indicator index indices	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L48	351372	(multipl\$6 many plural\$4) near4 L47	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02

L49	207	L46 near10 L48	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L50	68	L49 and "369".clas.	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L51	14350	(detect\$4 measur\$5 determin\$4) near6 L46	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L52	3637112	identical similar	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L53	436526	L52 near4 L47	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L54	8	L53 near10 L51	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L55	51	L53 near10 L46	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L56	10	L55 and "369".clas.	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L57	135807	(rotation\$3 speed velocity) near3 (disc disk medium)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L58	242410	(multipl\$5 plural\$4 identical) near3 (mark reference indicator index indices)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L59	110	L57 near10 L58	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L60	32	"3819281"   "3931457"   "4000510"   "4094010"   "4094013"   "4108365"   "4142209"   "4229808"   "4238843"   "4245247"   "4296491"   "4326282"   "4329575"   "4363116"). PN. OR ("5119363"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/05 14:02
L61	1592448	angl\$6	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L62	7566	sector near3 (mark reference indicator index indices)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/05 14:02
L63	306	(L62).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/05 14:02
L64	98	L63 and "369".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/05 14:02
L65	28859	(disc disk) near4 (speed velocity)	USPAT	OR	OFF	2008/09/05 14:02

L66	2861	(detect\$4 measur\$4 discriminat\$4 determin\$4) near6 L65	USPAT	OR	OFF	2008/09/05 14:02
L67	395	L66 near10 (encoder opu pickup pick adj up light laser)	USPAT	OR	OFF	2008/09/05 14:02
L68	225	L67 and "369".clas.	USPAT	OR	OFF	2008/09/05 14:02
L69	57	L67 and "360".clas.	USPAT	OR	OFF	2008/09/05 14:02
L70	5	("4021714"   "4374351"   "4782404"   "4849680"   "4965502").PN. OR ("5051677").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L71	144	(L67 not L68) not L69	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L72	0	L67 near10 (equal identical) near5 (width spac \$4 length distance)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L73	2	L67 near10 (equal identical)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L74	4	("4319134"   "4680466"   "5073710"   "5091643"). PN. OR ("6750445"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L75	2929	(250/231.1?).cols.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L76	16	L75 and "369".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L77	2120	(angl\$4 angular rotation\$4 near3 position) near6 (mark label feature reference indicator) near10 (disc disk)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L78	110	L77 near10 (label image print\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L79	106155	"angular position"	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L80	3965	L79 near3 ("same" identical)	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L81	90	L80 and "369".clas.	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02

L82	58	encoder near6 ((disk disc) near3 (speed velocity)) and "369".clas.	US-PGPUB; USPAT	OR	ON	2008/09/05 14:02
L83	12	("4803354"   "4908510"   "5091643"   "5239177"   "5369271"   "5406077"   "5448060"   "5451776"). PN. OR ("5640377"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L84	2	("3426337").PN.	USPAT; USOCR	OR	OFF	2008/09/05 14:02
L85	2929	(250/231.1?).ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L86	28079	(angular angl\$4) near4 (feature mark slit indicator)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L87	161	L85 and L86	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L88	690	L86 near10 (ring circumference circle circular)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L89	5	L88 and L85	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L90	320469	(angular angl\$4) near4 (position indicator mark feature)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L91	36	L85 and L90 near4 (ring circumference circle circular)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L92	26	("2782626"   "3349325"   "4649267"   "4697077"   "4718879"   "4945231"   "4988865"   "5086641"   "5130536"   "5212380"   "5418362"   "5594241"   "5665974"   "5852413"   "5939712"   "5969344"). PN. OR ("6145368"   "6184518").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L93	5543	L90 near4 (ring circumference circle circular)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L94	36	L93 and "369".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02

L95	22	("3701846"   "3707600"   "4000510"   "4079942"   "4094013"   "4142209"   "4338683"   "4363116"   "4365324"   "4445144"). PN. OR ("4556966"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L96	22	("4793067"   "5129725"   "5171982").PN. OR ("6093928").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L97	10	((multipl\$4 plural\$4) near4 (index sector) near3 (mark indicator)) near10 (ring circumference circle circular)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02
L98	2	("3426337").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/05 14:02

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